

Title (en)

COMPOUND HAVING INDENOCARBAZOLE RING STRUCTURE AND ORGANIC ELECTROLUMINESCENT ELEMENT

Title (de)

VERBINDUNG MIT EINER INDENOCARBAZOL-RINGSTRUKTUR UND EINEM ORGANISCHEM ELEKTROLUMINESZENZELEMENT

Title (fr)

COMPOSÉ AYANT UNE STRUCTURE DE NOYAU INDÉNOCARBAZOLE ET ÉLÉMENT ÉLECTROLUMINESCENT ORGANIQUE

Publication

EP 2599773 A4 20131225 (EN)

Application

EP 11812097 A 20110729

Priority

- JP 2010171657 A 20100730
- JP 2011004334 W 20110729

Abstract (en)

[origin: EP2599773A1] An organic compound with excellent characteristics excelling in hole-injecting/transporting performance and having electron blocking ability, high stability in a thin-film state and high luminous efficiency is provided as material for an organic electroluminescent device of high efficiency and high durability, and the organic electroluminescent device of high efficiency and high durability is provided using this compound. The compound of a general formula (1) having an indenocarbazole ring structure is used as a constituent material of at least one organic layer in the organic electroluminescent device that includes a pair of electrodes and one or more organic layers sandwiched between the pair of electrodes.

IPC 8 full level

C07D 209/70 (2006.01); **H10K 99/00** (2023.01); **C07D 209/86** (2006.01); **C09K 11/06** (2006.01)

CPC (source: CN EP KR US)

C07D 209/70 (2013.01 - EP KR US); **C07D 209/86** (2013.01 - EP KR US); **C07D 209/94** (2013.01 - CN); **C07D 401/04** (2013.01 - CN); **C07D 401/10** (2013.01 - EP US); **C07D 403/10** (2013.01 - EP US); **C07D 403/14** (2013.01 - EP US); **C07D 409/04** (2013.01 - CN); **C07D 409/10** (2013.01 - EP US); **C07D 409/12** (2013.01 - CN); **C07D 409/14** (2013.01 - CN); **C07D 413/04** (2013.01 - CN); **C07D 413/10** (2013.01 - EP US); **C07D 417/04** (2013.01 - CN); **C07D 417/14** (2013.01 - CN EP US); **C09B 57/00** (2013.01 - EP US); **C09B 57/008** (2013.01 - EP US); **C09K 11/06** (2013.01 - CN); **H10K 50/11** (2023.02 - KR); **H10K 50/12** (2023.02 - KR); **H10K 50/14** (2023.02 - KR); **H10K 85/621** (2023.02 - EP KR US); **H10K 85/626** (2023.02 - KR); **H10K 85/631** (2023.02 - KR); **H10K 85/636** (2023.02 - EP KR US); **H10K 85/657** (2023.02 - CN); **H10K 85/6572** (2023.02 - CN EP KR US); **H10K 85/6576** (2023.02 - CN); **C09K 2211/1029** (2013.01 - CN); **C09K 2211/1033** (2013.01 - CN); **C09K 2211/1037** (2013.01 - CN); **C09K 2211/1092** (2013.01 - CN); **H10K 50/11** (2023.02 - EP US); **H10K 50/14** (2023.02 - EP US); **H10K 50/17** (2023.02 - CN EP KR US); **H10K 50/18** (2023.02 - US); **H10K 50/181** (2023.02 - CN EP KR); **H10K 85/626** (2023.02 - EP US); **H10K 85/631** (2023.02 - EP US)

Citation (search report)

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